

## ABSTRACT

A multifunction remote controlled video recording, transmission and playback system includes a still frame generator adapted for selecting and generating still frames on the fly while a full motion video signal is being recorded, without interrupting the recording function. Audio and data signals, such as cockpit audio in an aircraft and gps and telemetry signals may also be incorporated in the recorded full motion video recording on a real time synchronized basis. The still frames are digitally enhanced, producing a full field frame from the analog video signal. Still frames can be produced in single, burst and snap modes without interrupting the full motion video recording function.